

Search: (US5551021)/PN/XPN

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Patent Number: US5551021 A 19960827

**(A) Image storing managing apparatus and method for retrieving and displaying merchandise and customer specific sales information**


A customer and merchandise image data are picked up by an image generator and are stored in a customer data storage section and a merchandise data storage section in a data storage section together with link data and key data about each customer and each merchandise. Sales data of a merchandise for each customer is stored in a sales data storage section. In accordance with an instruction from an instruction input section, a processor searches the customer data and merchandise data storage sections and displays one of data about a specific customer and data about a specific merchandise with an image on a display, or retrieves data about a specific customer and data about each merchandise purchased by this customer from the customer data and merchandise data storage sections based on the sales data stored in the sales data storage section and displays those data with images on the display in association with each other.

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




















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OLYMPUS OPTICAL; FROM 19940719

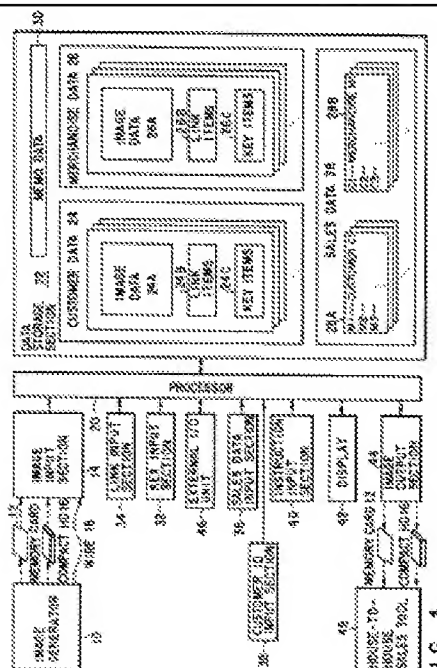
**Patent number/Stages**

 **US5551021**      **A**      19960827 [US5551021]  
**Stage:** (A) Patent  
**Assignee(s):** OLYMPUS OPTICAL

**FamPat family**

| Publication Number         | Kind                                     | Publication date | Links   |
|----------------------------|--|------------------|---|
| <a href="#">EP0636993</a>  | A1                                       | 19950201         |     |
| <b>STG:</b>                | Application published with search report |                  |   |
| <b>AP :</b>                | 1994EP-011810<br>19940728                |                  |   |
| <a href="#">JP7044617</a>  | A  | 19950214         |     |
| <b>STG:</b>                | Doc. laid open to publ. inspec.          |                  |   |
| <b>AP :</b>                | 1993JP-0189817<br>19930730               |                  |   |
| <a href="#">JP7225768</a>  | A  | 19950822         |     |
| <b>STG:</b>                | Doc. laid open to publ. inspec.          |                  |   |
| <b>AP :</b>                | 1994JP-0018150<br>19940215               |                  |   |
| <a href="#">US5551021</a>  | A  | 19960827         |     |
| <b>STG:</b>                | Patent                                   |                  |   |
| <b>AP :</b>                | 1994US-0279993<br>19940725               |                  |   |
| <a href="#">EP0636993</a>  | B1                                       | 19990421         |     |
| <b>STG:</b>                | Patent specification                     |                  |   |
| <a href="#">DE69417963</a> | D1                                       | 19990527         |     |
| <b>STG:</b>                | Granted EP number in Bulletin            |                  |   |
| <b>AP :</b>                | 1994DE-6017963<br>19940728               |                  |   |
| <a href="#">DE69417963</a> | T2                                       | 19991209         |     |
| <b>STG:</b>                | Trans. of EP patent                      |                  |   |

**Priority Nbr:** JP18981793 19930730  
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FIG. 1

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